

0927 #12



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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/092,004A
 DATE: 09/27/2002
 TIME: 13:10:20

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF4\09272002\J092004A.raw

```

3 <110> APPLICANT: Corvas International, Inc.
4   Madison, Edwin L.
5   Semple, Joseph Edward
6   Coombs, Gary Samuel
7   Reiner, John Eugene
8   Ong, Edgar O.
9   Araldi, Gian Luca
11 <120> TITLE OF INVENTION: Inhibitors of Serine Protease Activity of Matriptase or
TSPL
13 <130> FILE REFERENCE: 018813/0282105
15 <140> CURRENT APPLICATION NUMBER: 10/092,004A
--> 16 <141> CURRENT FILING DATE: 2002-09-12
18 <150> PRIOR APPLICATION NUMBER: PCT/US01/28137
19 <151> PRIOR FILING DATE: 2001-09-07
21 <150> PRIOR APPLICATION NUMBER: 09/657,986
22 <151> PRIOR FILING DATE: 2000-09-08
24 <160> NUMBER OF SEQ ID NOS: 11
26 <170> SOFTWARE: PatentIn version 3.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 726
30 <212> TYPE: DNA
31 <213> ORGANISM: Homo Sapiens
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <223> OTHER INFORMATION: Nucleic acid sequence of protease domain of MTSP1
37 <400> SEQUENCE: 1
39   gttgttgagg gcacggatgc ggatgagggc gaggggccct ggcaggtaag cctgcatgct 60
41   ctggggccagg gccacatctg cgggtgcttc ctcattcttc ccaactggct ggtctctgcc 120
43   gcacactgct acatcgatga cagaggattc aggtactcag acccccacgca gtggacggcc 180
45   ttctctgggt tgcacgacca gagccagcgc agcggccctg ggggtgcagga gcgcaggctc 240
47   aagcgcatca tctcccaccc cttcttcaat gacttcacct tcgactatga catcgcgctg 300
49   ctggagctgg agaaaccggc agagtacagc tccatgggtg ggcacctctg cctgccggac 360
51   gcctcccatg tcttccctgc cggcaaggcc atctgggtca cgggctgggg acacaccacg 420
53   tatggaggca ctggcgcgct gatcctgcaa aagggtgaga tccgcgtcat caaccagacc 480
55   acctgcgaga acctcctgce gcagcagatc acgcgcgcga tgatgtgcgt gggcttcttc 540
57   agcggcgcg tggactcctg ccagggtgat tccgggggac ccctgtccag cgtggaggcg 600
59   gatgggcgga tcttccaggc cgggtgtggt agctggggag acggctgcgc tcagagggaac 660
61   aagccaggcg tgtacacaag gctccctctg ttccgggact ggatcaaaga gaacactggg 720
63   gtatatg
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 241
67 <212> TYPE: PRT
68 <213> ORGANISM: Homo Sapiens
70 <400> SEQUENCE: 2

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72 Val Val Gly Gly Thr Asp Ala Asp Glu Gly Glu Trp Pro Trp Gln Val
73 1 5 10 15
75 Ser Leu His Ala Leu Gly Gln Gly His Ile Cys Gly Ala Ser Leu Ile
76 20 25 30
78 Ser Pro Asn Trp Leu Val Ser Ala Ala His Cys Tyr Ile Asp Asp Arg
79 35 40 45
81 Gly Phe Arg Tyr Ser Asp Pro Thr Gln Trp Thr Ala Phe Leu Gly Leu
82 50 55 60
84 His Asp Gln Ser Gln Arg Ser Ala Pro Gly Val Gln Glu Arg Arg Leu
85 65 70 75 80
87 Lys Arg Ile Ile Ser His Pro Phe Phe Asn Asp Phe Thr Phe Asp Tyr
88 85 90 95
90 Asp Ile Ala Leu Leu Glu Leu Glu Lys Pro Ala Glu Tyr Ser Ser Met
91 100 105 110
93 Val Arg Pro Ile Cys Leu Pro Asp Ala Ser His Val Phe Pro Ala Gly
94 115 120 125
96 Lys Ala Ile Trp Val Thr Gly Trp Gly His Thr Gln Tyr Gly Gly Thr
97 130 135 140
99 Gly Ala Leu Ile Leu Gln Lys Gly Glu Ile Arg Val Ile Asn Gln Thr
100 145 150 155 160
102 Thr Cys Glu Asn Leu Leu Pro Gln Gln Ile Thr Pro Arg Met Met Cys
103 165 170 175
105 Val Gly Phe Leu Ser Gly Gly Val Asp Ser Cys Gln Gly Asp Ser Gly
106 180 185 190
108 Gly Pro Leu Ser Ser Val Glu Ala Asp Gly Arg Ile Phe Gln Ala Gly
109 195 200 205
111 Val Val Ser Trp Gly Asp Gly Cys Ala Gln Arg Asn Lys Pro Gly Val
112 210 215 220
116 Tyr Thr Arg Leu Pro Leu Phe Arg Asp Trp Ile Lys Glu Asn Thr Gly
117 225 230 235 240
119 Val

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121 <210> SEQ ID NO: 3
122 <211> LENGTH: 23
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of artificial sequence: PC-3 sscDNA sense
128 oligonucleotide primer

```

```

--> 130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (0)...(0)
132 <223> OTHER INFORMATION: N=Inosine

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--> 134 <400> 3
--> 136 tggtrtnvtnw sngcnrcnca ytg 23

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139 <210> SEQ ID NO: 4
140 <211> LENGTH: 30
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of artificial sequence: PC-3 sscDNA anti-sense

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146         oligonucleotide primer
--> 148 <221> NAME/KEY: misc_feature
149 <222> LOCATION: (0)...(0)
150 <223> OTHER INFORMATION: N=Inosine
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--> 154         nggncncncn swrtcnccyt nrcanghrtc                                30
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158 <211> LENGTH: 28
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of artificial sequence:
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166 <400> SEQUENCE: 5
168         cacccttct tcaatgactt caccttcg                                28
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173 <211> LENGTH: 18
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of artificial sequence:
179         oligonucleotide primer
181 <400> SEQUENCE: 6
183         tacctctcct acgactcc                                18
186 <210> SEQ ID NO: 7
187 <211> LENGTH: 25
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of artificial sequence:
193         oligonucleotide primer
195 <400> SEQUENCE: 7
197         gaggttctcg caggtggtct ggttg                                25
200 <210> SEQ ID NO: 8
201 <211> LENGTH: 39
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of artificial sequence:
207         oligonucleotide primer
209 <400> SEQUENCE: 8
211         ctcgagaaaa gagttgttg gggcacggat gcggatgag                                39
214 <210> SEQ ID NO: 9
215 <211> LENGTH: 36
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of artificial sequence:
221         oligonucleotide primer

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223 <400> SEQUENCE: 9
225 gcggcgcac tatacccccag tgttctcttt gatcca 36
228 <210> SEQ ID NO: 10
229 <211> LENGTH: 9
230 <212> TYPE: PRT
231 <213> ORGANISM: Homo Sapiens
233 <400> SEQUENCE: 10
235 Val Val Gly Gly Thr Asp Ala Asp Glu
236 1 5
239 <210> SEQ ID NO: 11
240 <211> LENGTH: 726
241 <212> TYPE: DNA
242 <213> ORGANISM: Homo Sapiens
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <223> OTHER INFORMATION: Nucleic acid sequence of protease domain of MTSP1
248 <400> SEQUENCE: 11
250 caacaacccc cgtgcctacg cctactcccg ctcaccgga ccgtccattc ggacgtacga 60
252 gacccggtcc cgggtgtagac gccacgaagg gagtagagag ggttgaccga ccagagacgg 120
254 cgtgtgacga tgtagctact gtctcctaag tccatgagtc tgggggtcgt caccgtccgg 180
256 aaggaccgca acgtgctggt ctccggtcgcg tcgcggggac cccacgtcct cgcgtccgag 240
258 ttccgctagt agaggggtggg gaagaagtta ctgaagtgga agctgatact gtacgcgcac 300
260 gacctcgacc tctttggcgg tctcatgtcg aggtaccacg ccgggtagac ggacggcctg 360
262 cggagggtac agaagggaac gccgttccgg tagaccacgt gcccgacccc tgtgtgggtc 420
264 atacctcctg gaccgcgcga ctaggacgtt ttcccactct aggcgcagta gttggtcttg 480
266 tggacgtctt tggaggacgg cgtcgtctag tgcggcgcgt actacacgca cccgaaggag 540
268 tcgccgcgcg acctgaggac ggtcccacta aggccccctg gggacaggtc gcacctccgc 600
270 ctaccgcctc agaaggtccg gccacaccac tcgacccctc tgcgcacgcg agtctccttg 660
272 ttccgtccgc acatgtgttc cgaggagac aaagccctga cctagtttct cttgtgaccc 720
274 catatc 726

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/092,004A

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Please Note:

se of n and/or Xaa have been detected in the Sequence Listing. Please review the
equence Listing to ensure that a corresponding explanation is presented in the <220>
o <223> fields of each sequence which presents at least one n or Xaa.

eq#:3; N Pos. 6,9,12,15,18

eq#:4; N Pos. 1,4,7,10,16,21,25

VERIFICATION SUMMARY

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:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
:130 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
:134 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
:148 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
:152 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0